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REPORT NO. 3

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PROCUREMENT SECTION  
CURRENT SERIAL RECORDS

## Cotton Fiber and Processing Test Results

CROP of

1975



Agricultural Marketing Service  
U.S. DEPARTMENT OF AGRICULTURE  
Memphis, Tenn. 38122 September 26, 1975

## COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1975

### Discussion of Test Results

The average Fibrograph length and uniformity of medium staple cotton tested from the Southwest are the same as a year earlier according to the Cotton Division, Agricultural Marketing Service. The average mike is slightly coarser than a year ago. Zero gage and 1/8 inch gage fiber strength tests show this season's cotton to be weaker than last season's. Picker and card waste is lower than last season. Yarns spun from these samples show higher appearance grades than a year ago. There are more yarn imperfections and the average spinning potential number is slightly lower than a year ago.

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These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season.<sup>1/</sup> These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

<sup>1/</sup> Summary of Cotton Fiber and Processing Test Results, Crop of 1974,  
USDA, AMS, Cotton Division, May 1975.



Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through September 19, 1975 1/

Staple group Area, and Crop year	Fiber test results										Processing test results				
	Lots tested	Fibrograph		Mike fine- ness	Fiber strength		S A nonlint	P & C waste	Yarn quality			Spin. Potent.			
		2.5% span	50/2.5 unif.		Zero gage	1/8" gage			Skein str.	Appearance	Imperf- ections				
No.	Inches	Pct.	Rdg.	Mpsi	G/tex	Pct.	Pct.	Lbs.	Index	No.	Yarn No.				
Medium Staple: Southwest 1974 1975	24	1.08	45	4.3	84	23	2.7	5.8	104	93	19	62			
	17	1.08	45	4.4	81	22	2.7	4.5	103	102	22	60			
Significant dif- ference <u>2/</u>	0.02	2	0.2	2	2	1	0.5	0.5	4(22s)	5	2	3			

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 2 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975

Production Area, Classification &				Fiber Test Results										Processing Test Results - Carded Yarns											
Sample Number				Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint		Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potential		
No	Grade	Style	32s	2.5% span	Unif.		Zero Gage	1/8" Gage		Pct	Pct	Gra	Yel		22s or 27 tx	50s or 12 tx	Pct	Pct	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx			
Name & Code				In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No			
SOUTHWEST																									
SOUTH TEXAS																									
DANEVANG																									
2	MID	35	31	1.11	45	4.8	82	23	7.5	2.2	0	3	75 PERCENT	112	39	6.5	5.0	100	80	27	19	66			
3	SIM LT SP	34	42	1.05	45	4.4	82	21	7.4	3.5	3	3	5.2	102	32	6.3	4.4	110	80	28	21	61			
LOS FRESNOS																									
3	LM	35	51	1.11	44	3.2	82	21	6.5	5.1	3	2	99 PERCENT	103	37	6.3	4.4	90	80	28	22	66			
TAFT																									
3	SIM	34	41	1.08	45	4.1	78	20	7.0	2.6	2	3	95 PERCENT	101	32	6.3	4.3	100	80	17	12	61			
DAMON																									
2	SIM LT SP	34	42	1.09	46	4.7	79	22	7.5	2.9	3	3	70 PERCENT	106	33	6.0	4.4	110	90	14	11	61			
3	SIM LT SP	34	42	1.07	45	4.6	89	20	6.0	2.7	3	4	4.9	89	28	4.7	3.3	100	80	23	19	51			